# Intelligent Loop Powered Enhanced Open Area Sounder Beacons

The Intelligent Loop Powered Enhanced Open Area Sounder Beacons are alarm devices which include an area sounder and a red beacon. Both the sounder and the beacon provide synchronized signaling (audible and visual) from an Axis AX Series Intelligent Fire Alarm Control Panel's SLC (Signaling Line Circuit) loop. Each Intelligent Loop Powered Enhanced Sounder Beacon receives both power and communications from the signaling line circuit.

Applications are wide and varied, but ideal applications include corridors, offices, dormitory living quarters, nursing homes, retirement homes, hospitals and patient rooms.

Tremendous installation cost advantages can be realized when installing Enhanced Sounder Beacons due to material and labor savings. Since power is provided by the Axis AX Series Intelligent Fire Alarm Control Panel's SLC loop, there is no need for additional power supplies or additional wire. In addition, installation time is sharply reduced because sounder beacons can be installed on the same circuits with pull stations, smoke detectors, and other addressable input devices.

Being installed in various locations, each Enhanced Sounder Beacon provides seven (7) different volume settings allowing installers to select a specific volume based on installation area audible requirements. Synchronization of tones and beacon flash rate ensures that signal tones and beacon flash rates from different sounder beacons do not merge into unrecognizable and visible signaling problems.

The Axis AX Series Intelligent Fire Alarm Control Panel provides a group addressing feature that can be used to simultaneously turn on a group of Intelligent Loop Powered Enhanced Sounder Beacons without delay. The Intelligent Loop Powered Enhanced Sounder Beacon can be installed indoors or outdoors based on installation requirements. Note, when installing outdoors utilize the weatherproof mounting pad and "O" ring supplied with the sounder beacon.



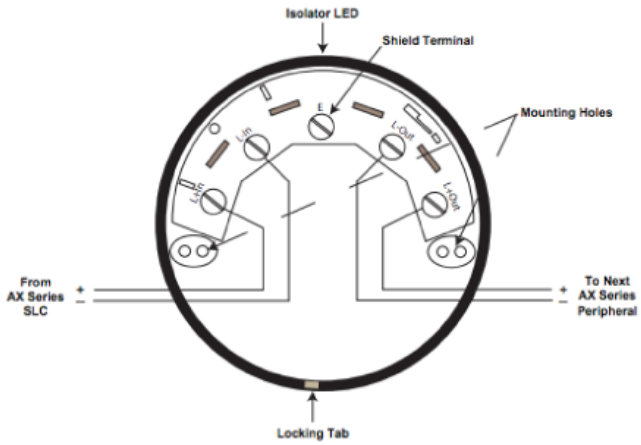
## Features

- 15 Tone and 7 Volume Settings
- Integral Red Flashing Beacon
- Drastically Reduces Installation Costs
- Available in Red or White Colors
- Built-in Synchronization (Audible and Flash)
- Separate Sounder Beacon Base with Drillable Knockouts
- Listed for Indoor and Outdoor Applications
- Individual and Group Addressing
- Sounder Beacon Base Security Locking Tab
- Unique Integral Sel-Test

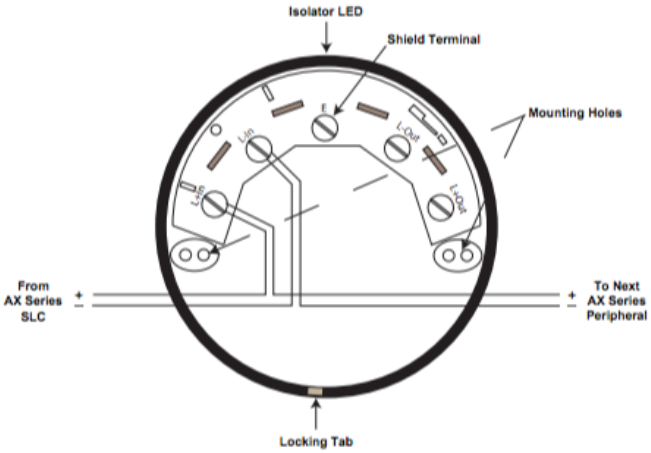
## Listings and Approvals

- ETL ANSI/UL 864 Listed: 101564744NYM-001
- UL file: ULSZ.S24953 / ML file: S25051

## Wiring Diagrams




Loop Powered Open Area Sounder Base Wiring with Isolation




Loop Powered Open Area Sounder Base Wiring without Isolation

## Audibility Table

| Device Setting | Tone | Frequency | dB (A) @ 10 Ft. |
|---|---|---|---|
| 1 | Apollo Evacuation Tone | 550Hz for 0.5s, 825Hz for 0.5s | 48.8 to 77.0 |
| 2 | Alternating (Hochiki & Fulleon) | 925Hz for 0.25s, 626Hz for 0.25s | 48.1 to 73.8 |
| 3 | Medium Sweep | 800Hz to 970Hz at 1Hz | 49.3 to 76.3 |
| 4 | Fast Sweep | 2500Hz to 2850Hz at 9Hz | 52.5 to 76.3 |
| 5 | Dutch Slow Whoop (Sweep) | 500Hz to 1200Hz for 3.5s, 0.5s off | 44.2 to 72.9 |
| 6 | DIN Tone (Sweep) | 1200Hz to 500Hz for 1s | 46.2 to 73.4 |
| 7 | Swedish Fire Tone | 660Hz for 150ms on, 150ms off | 46.2 to 74.0 |
| 8 | Aus (Fast Rise Sweep) | 3x (500Hz to 1200Hz for 0.5s) 0.5s off | 43.2 to 69.8 |
| 9 | NZ (Slow Rise Sweep | 500Hz to 1200Hz for 3.75s, 0.25s off | 43.4 to 73.7 |
| 10 | US Temporal LF (ISO 8201) | 3x (970Hz for 0.5s on, 0.5s off) 1s off | 43.4 to 70.0 |
| 11 | US Temporal HF (ISO 8201) | 3x (2850Hz for 0.5s on, 0.5s off) 1s off | 47.3 to 71.5 |
| 12 | Simulated Bell Continuous | n/a | 52.0 to 74.7 |
| 13 | Emergency Warning Siren | n/a | 47.4 to 74.9 |
| 14 | Evacuation Tone | 970Hz Continuous | 50.2 to 74.8 |
| 15 | Apollo Evacuation Tone | 550Hz for 0.5s, 825Hz for 0.5s | 49.0 to 73.4 |

The Intelligent Loop Powered Enhanced Open Area Sounder Beacon incorporates its own plastic mounting base which can be wired with or without device isolation. In addition, the mounting base can also be installed on a 3” square or octagonal electrical box.

The sounder beacon base is specifically designed to enable “one-way-only” sounder beacon insertion without any need for force. Simply insert the sounder beacon and rotate clockwise. Incorporating a high degree of protection against unauthorized removal of sounder beacons, each sounder beacon can be locked to its associated sounder beacon base.

## Specification

| | |
|---|---|
| Operating Voltage | 17-28 VDC |
| Operating Current<br>Quiescent<br>Sounder Beacon Active<br>Switch on Surge | <br>.75 mA<br>8.4 mA (Maximum)<br>2.6 mA for 1 Second |
| Terminals | Stainless Steel |
| Environment | Indoor, Dry |
| Operating Temperature | 32ºF-120ºF (0ºF-48ºC) |
| Humidity | 10-93% (Non-condensing) |
| Dimensions (Diameter & Height)<br>Sounder Beacon with Base | <br>3.84”D x 4.09”H |
| Weight<br>Sounder Beacon with Base | <br>9.1 oz |
| Housing | Polycarbonate, 94 V0 |
| IP Rating | 65 |

## Order Codes and Options

| | |
|---|---|
| 58000-011ADV | Enhanced Open Area Sounder Beacon (Red) |
| 58000-012ADV | Enhanced Open Area Sounder Beacon (White) |

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Axis AX

# Intelligent Loop Powered Open Area Sounders

The Intelligent Loop Powered Open Area Sounders are loop powered sounders providing synchronized signaling from an Axis AX Series Intelligent Fire Alarm Control Panel's SLC (Signaling Line Circuit) loop. Each Intelligent Loop Powered Open Area Sounder receives both power and communications from the signaling line circuit.

Applications are wide and varied, but ideal applications include corridors, offices, dormitory living quarters, nursing homes, retirement homes and hospital patient rooms.

Tremendous installation cost advantages can be realized when installing Intelligent Loop Powered Open Area Sounders due to material and labor savings. Since power is provided by the Axis AX Series Intelligent Fire Alarm Control Panel's SLC loop, there is no need for additional power supplies or additional wire. Also, installation time is sharply reduced because sounders can be installed on the same circuits with pull stations, smoke detectors, and other addressable input devices.

The low volume setting is useful in areas such as hospitals where an alert signal is initially intended to warn staff only. The high volume setting is used for alarm evacuation.

Synchronization of tones ensures that signal tones from different sounders do not merge into one signal that could be mistaken for a different tone.

The Axis AX Series Intelligent Fire Alarm Control Panel provides a group addressing feature that can be used to simultaneously turn on a group of Intelligent Loop Powered Open Area Sounders without delay.

Another benefit of the Intelligent Loop Powered Open Area Sounder is its capability of being wired as a device with isolation, allowing it to be installed in a true Style 7 configuration.

There is a built-in acoustic self-test facility which is automatically activated during normal operation or can be manually activated during walk-tests. A trouble signal is generated at the Axis AX Series Intelligent Fire Alarm Control Panel if no sound is detected at the device.

The Intelligent Loop Powered Open Area Sounder incorporates its own plastic mounting base which can be wired with or without device isolation. In addition, the mounting base can also be installed on a 3" square or octagonal electrical box.

The sounder base is specifically designed to enable "one-way-only" sounder insertion without any need for force. Simply insert the sounder and rotate clockwise. Incorporating a high degree of protection against unauthorized removal of sounders, each sounder can be locked to its associated sounder base.



## Features

- Steady or Temporal Signaling
- Available in Red or White Colors
- Drastically Reduces Installation Costs
- Programmable Volume Settings
- Built-in Signal Synchronization
- Built-in Device Isolation Wiring
- Unique Integral Self-Test
- Sounder Base to Sounder Security Locking Tab
- Separate Sounder Base with Drillable Knockouts
- Two Programmable Tones and Volume Settings
  - Continuous 2900 Hz Tone
  - Low Volume 70.6 dB
  - High Volume 79.1 dB
- ANSI Temporal 2900 Hz Tone
  - Low Volume 67.8 dB
  - High Volume 75.3 dB
- Synchronization of "Alert" and "Evacuation" Tones
- Individual and Group Addressing

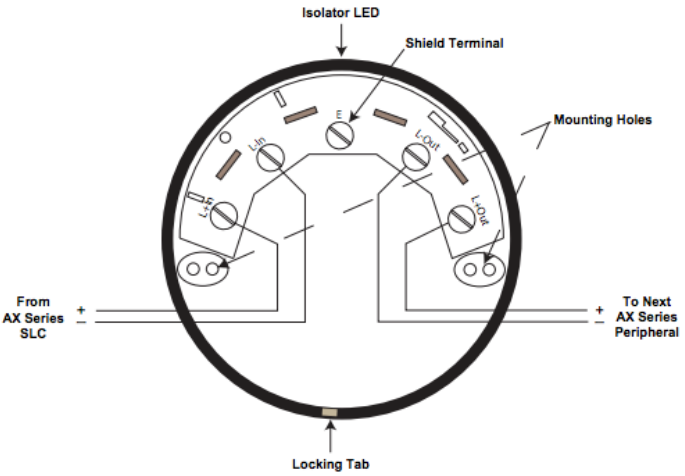
## Listings and Approvals

- ETL ANSI/UL 864 Listed: 101564744NYM-001
- UL file: ULSZ.S24953 / ML file: S25051
- NYCFD COA #6105

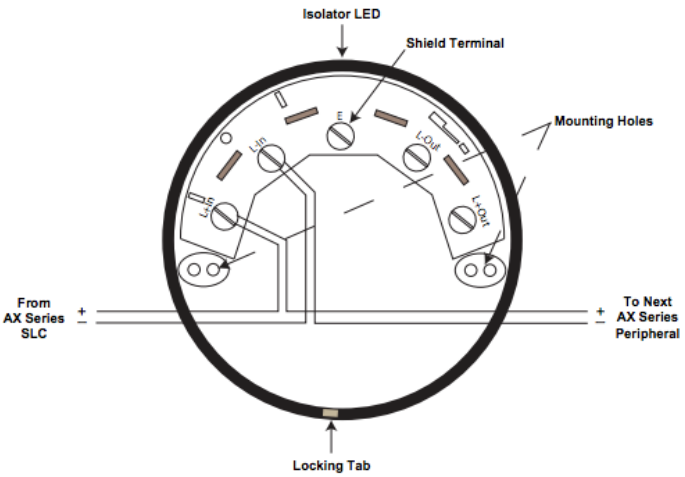
## Specification

| | |
|---|---|
| Operating Voltage | 17-28 VDC |
| Operating Current<br>Quiescent<br>Sounder Active<br>Switch on Surge | <br>.31 mA<br>5.4 mA<br>6 mA for 1 Second |
| Sound Output / Setting<br>Continuous (Low)<br>Continuous (High)<br>ANSI Temporal (Low)<br>ANSI Temporal (High) | <br>70.6 dB<br>79.1 dB<br>67.8 dB<br>75.3 dB |
| Terminals | Stainless Steel |
| Environment | Indoor, Dry |
| Operating Temperature | 32-120$^0$F (0-48$^0$C) |
| Humidity | 10-93% (Non-condensing) |
| Dimensions (Diameter & Height) Sounder with Sounder Base | 3.84”D x 4.09”H |
| Weight<br>Sounder with Sounder Base | <br>9.1 oz |
| Housing | Polycarbonate, 94 V0 |

## Wiring Diagram




Loop Powered Open Area Sounder Base Wiring with Isolation




Loop Powered Open Area Sounder Base Wiring without Isolation

## Order Codes and Options

| | |
|---|---|
| 55000-041ADV | Open Area Sounder (Red) |
| 55000-042ADV | Open Area Sounder (White) |

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# Gentex GB Series Fire Alarm Bells

The GB Series provide durable and dependable operation required for life safety alarm systems.

Alarm bells are low current, high decibel notification appliances for use in fire and burglary systems or other signalling applications. The GB Series is available in 24 VDC with 6" or 10" housing for indoor applications.

The GB Series is ANSI/UL 464 listed and the units are warranted for 3 years from the date of purchase.




**GB 24 VDC Fire Alarm Bell**

| Model number | Voltage | Housing size | current draw (mA) | dBA at 10ft |
|---|---|---|---|---|
| 28-GB6-24 | 24 VDC | 6” | 100 mA | 95 dBA |
| 28-GB10-24 | 24 VDC | 10” | 100 mA | 96 dBA |

**Notes**

- Indoor operating temperature 32° to 120°F (0° to 49°C)

## Features

- Available in 24 VDC
- Available in 6” or 10” housing
- Four wire 24 VDC operation
- High dbA output
- Mounts to a standard 4” square electrical box
- 18 AWG wire leads
- Available in red metal finish

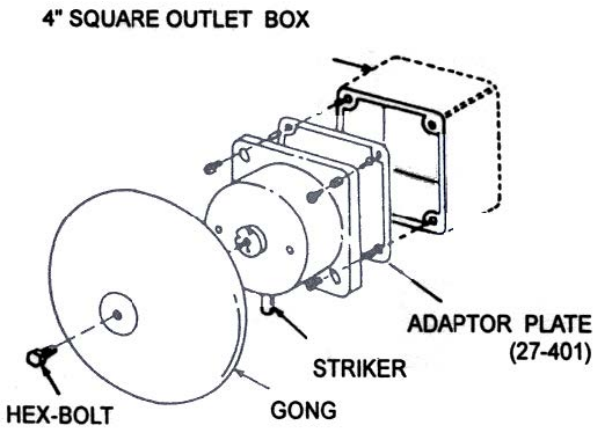
## Listings and Approvals

- ANSI/UL 464 Listed
- CSFM: 7135-0569:139
- MEA #285-91-E
- NFPA 72
- Quality Management System is certified to: ISO 9001:2008

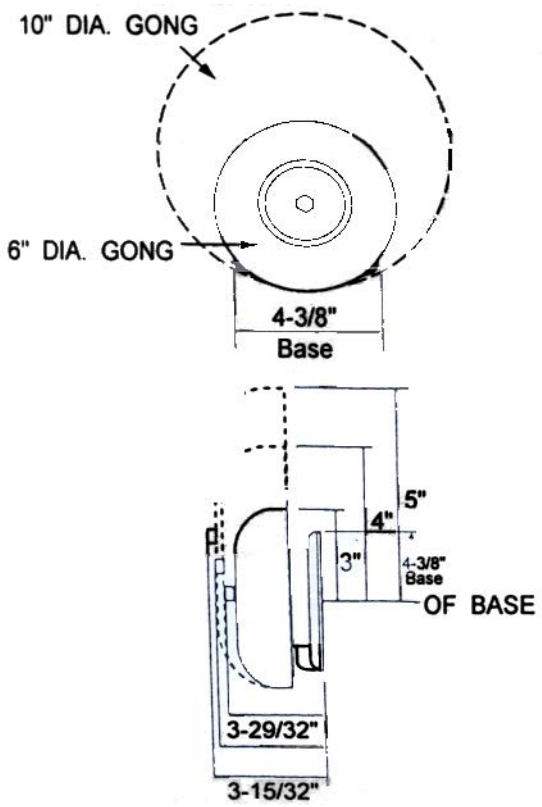
## Order Codes and Options

| | |
|---|---|
| 28-GB6-24 | GB 6" 24VDC Fire Alarm Bell |
| 28-GB10-24 | GB 10" 24VDC Fire Alarm Bell |

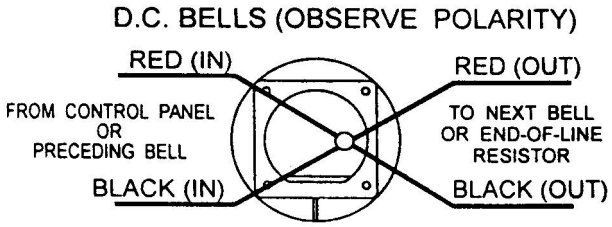
## Mounting




## Dimensions




## Wiring




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